

Figure 1

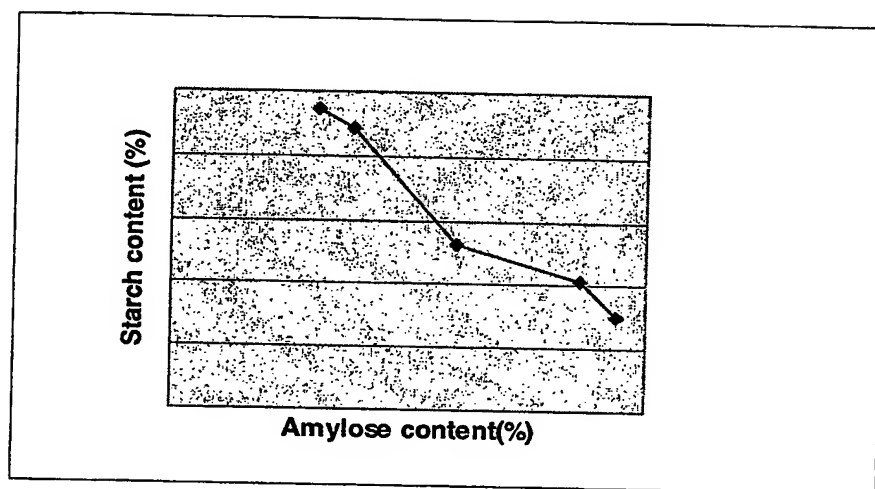


Figure 2

Variety/line	Mother variety	Dry matter %	Fructose % of Dm	Glucose % of Dm	Sucrose % of Dm
Producent		27,8	1,8	2,2	3,1
Prevalent		27,1	1,2	1,7	2,7
Dinamo		27,7	0,8	1,7	2,2
Kuras		27,9	1,8	2,2	2,4
AM98-2012	Producent	22,3	3,1	4,0	4,7
AM98-2019	Prevalent	18,4	2,9	4,4	3,8
AM98-2021	Prevalent	17,1	3,1	5,9	3,5
AM99-2002	Dinamo	19,3	2,4	3,8	3,0
AM99-2003	Dinamo	18,8	2,5	5,5	3,2
AM99-2004	Dinamo	11,7	4,0	6,8	2,1
AM00-2040	Kuras	21,0	5,0	6,3	3,5
AM00-2041	Kuras	19,3	5,6	7,1	3,0

Figure 3

3 a) pHS1 for gene-inhibition of StGH1

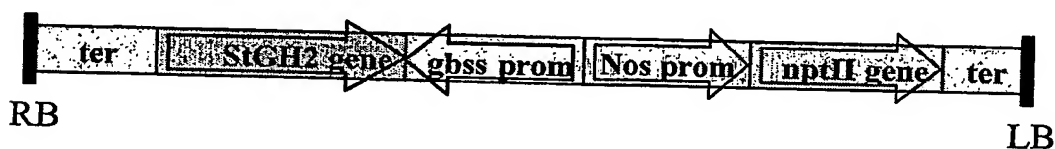
pHS1



5

3 b) pHS2 for gene-inhibition of StGH2

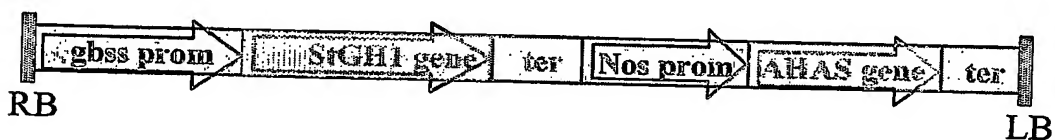
pHS2



3 c) pHS3 for over-expression of StGH1

10

pHS3



3 d) pHS4 for over-expression of StGH2

pHS4



Figure 4

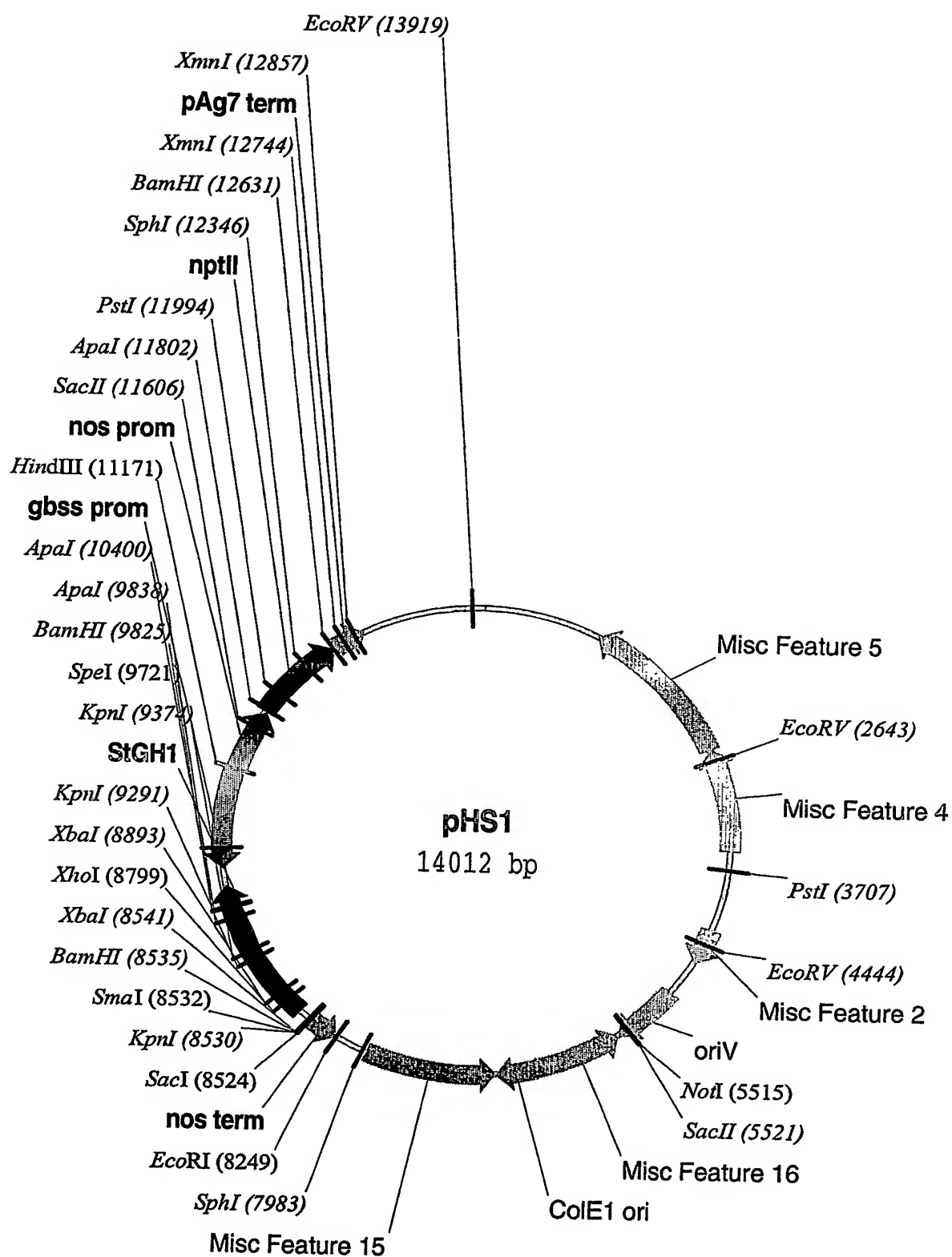


Figure 5

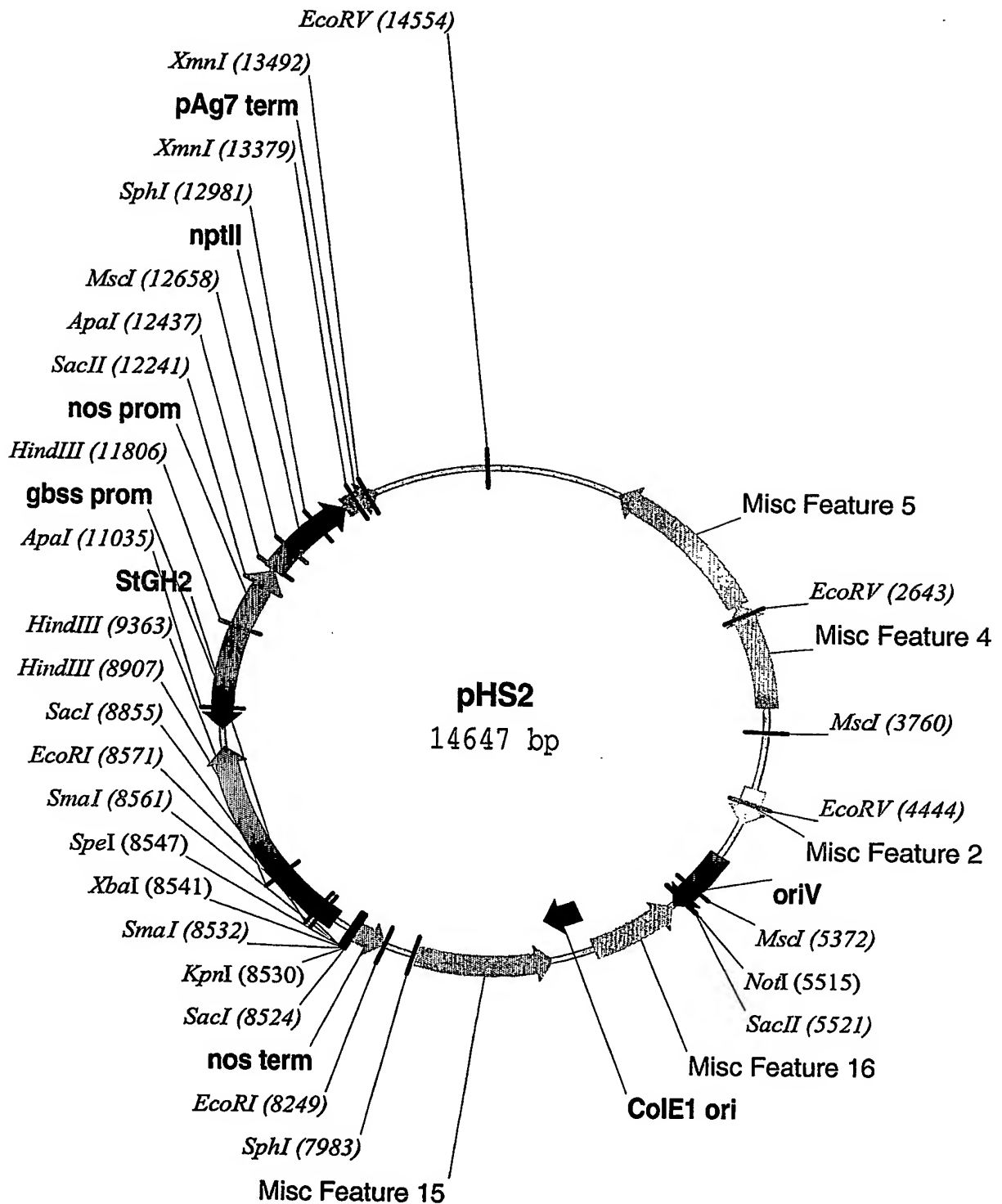


Figure 6

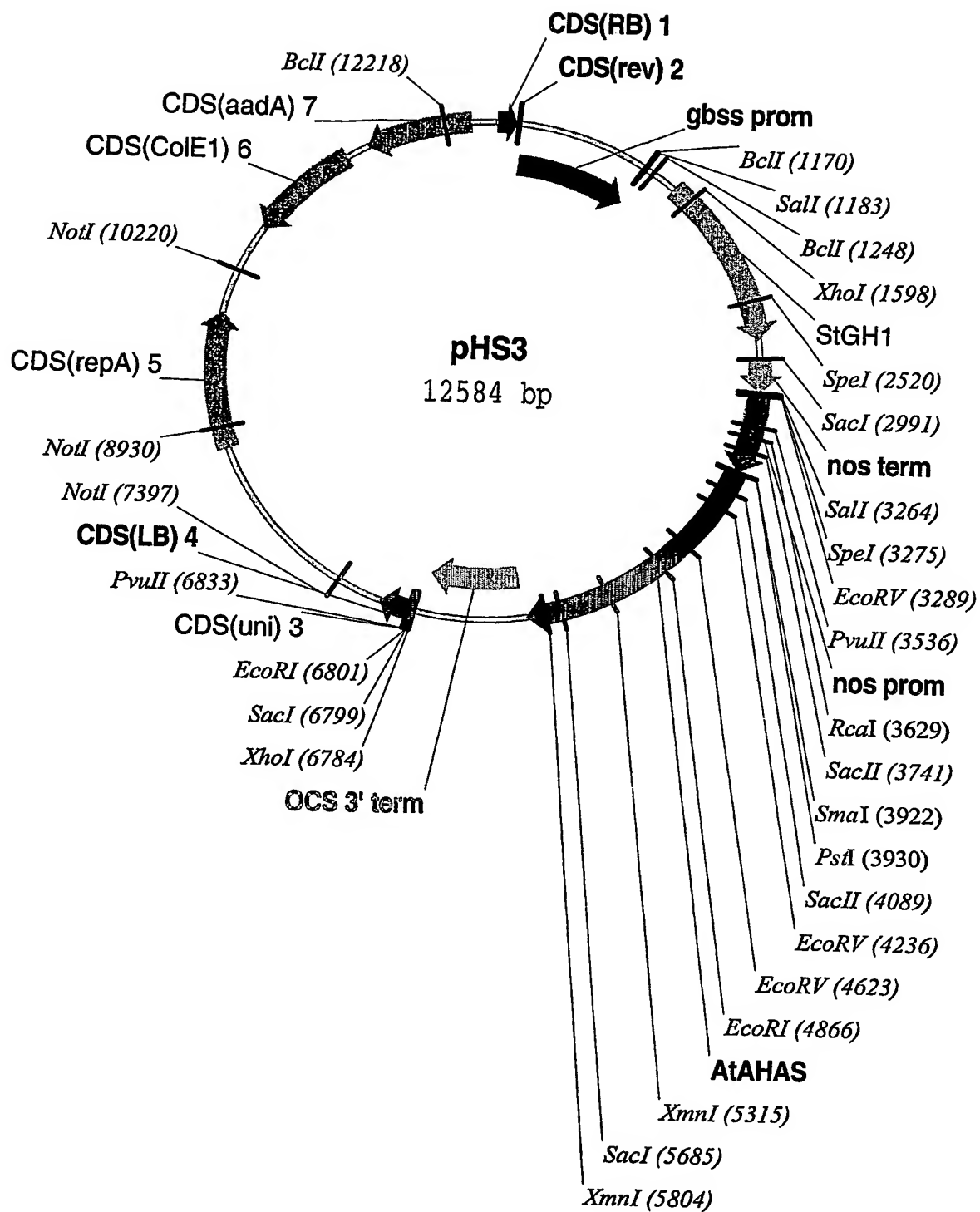


Figure 7

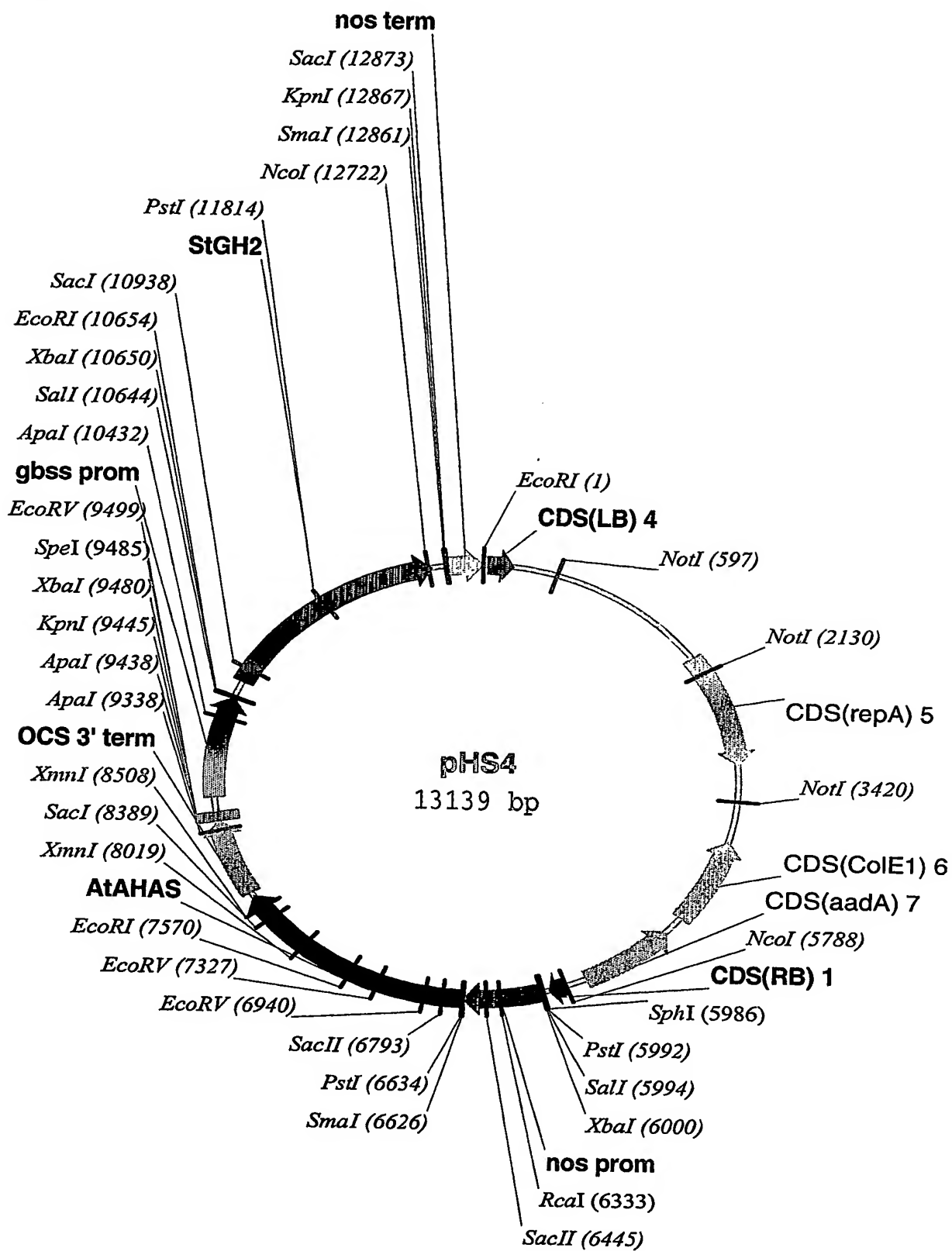
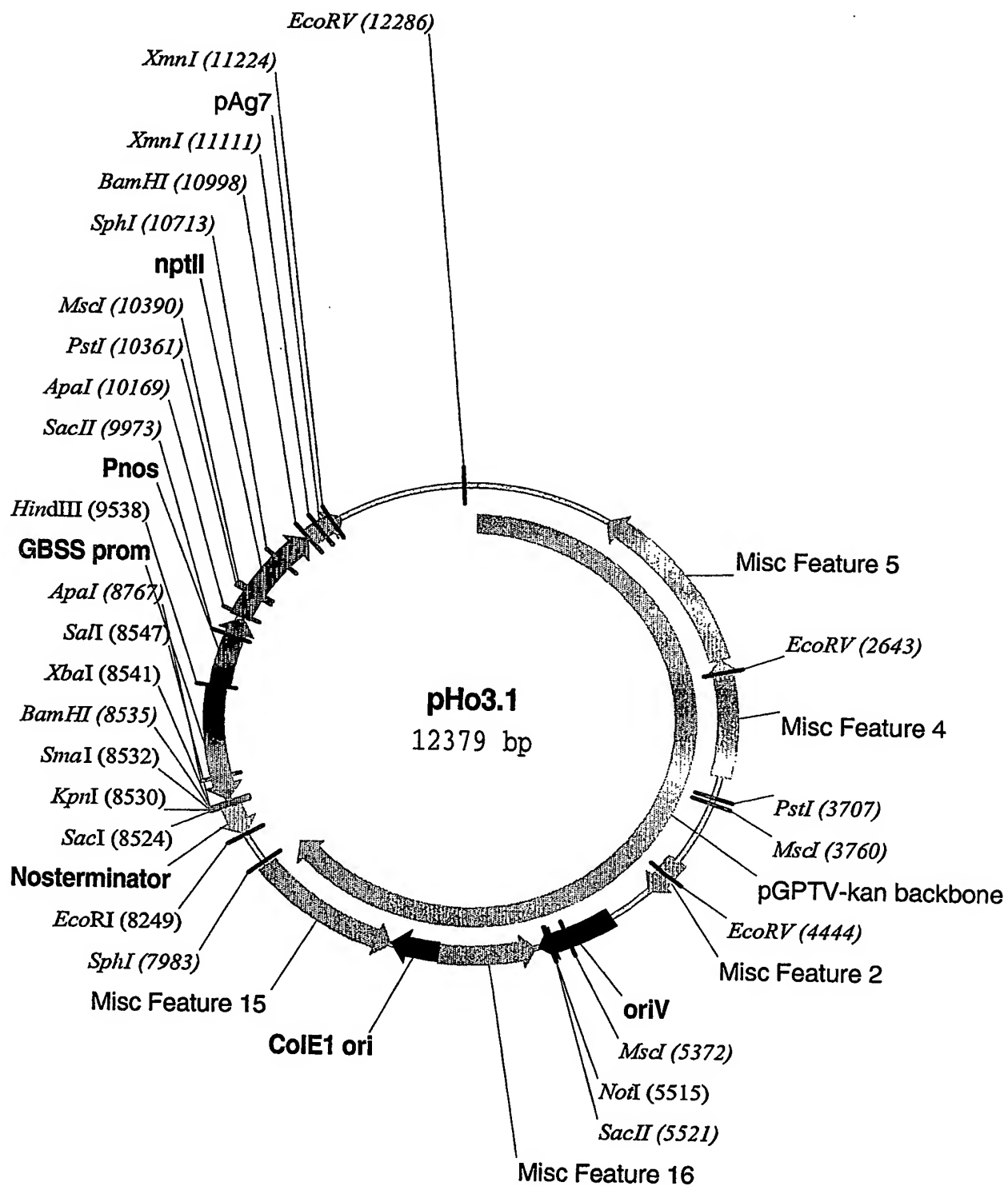
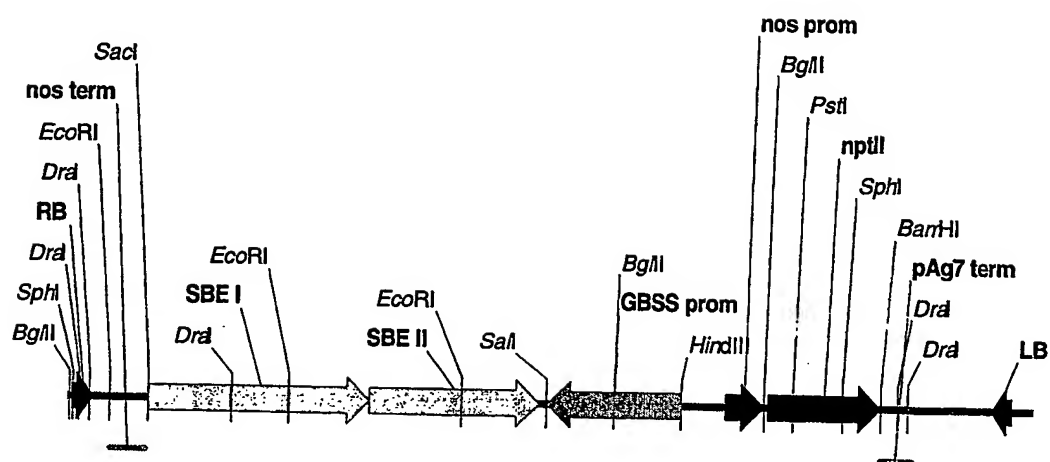


Figure 8



9/23

Figure 9



pHAbE12A T-DNA

10/23

Figure 10

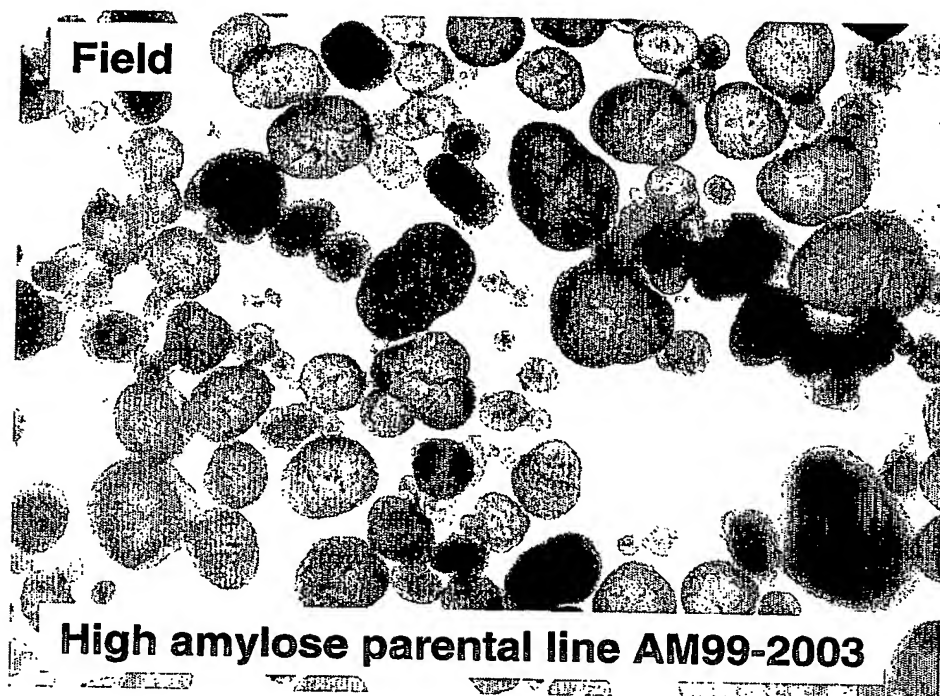


Figure 11

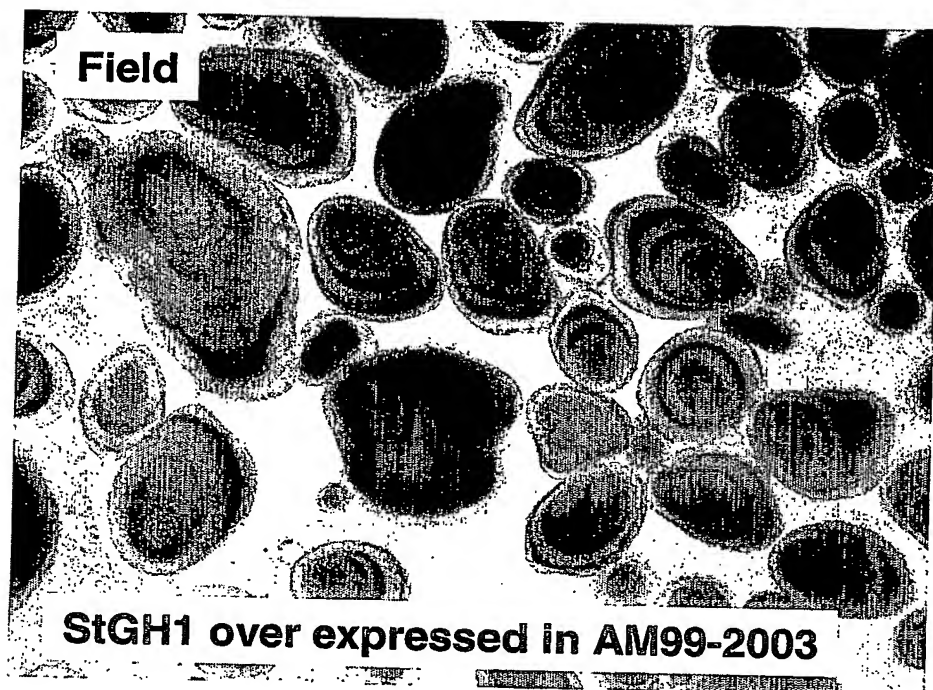


Figure 12

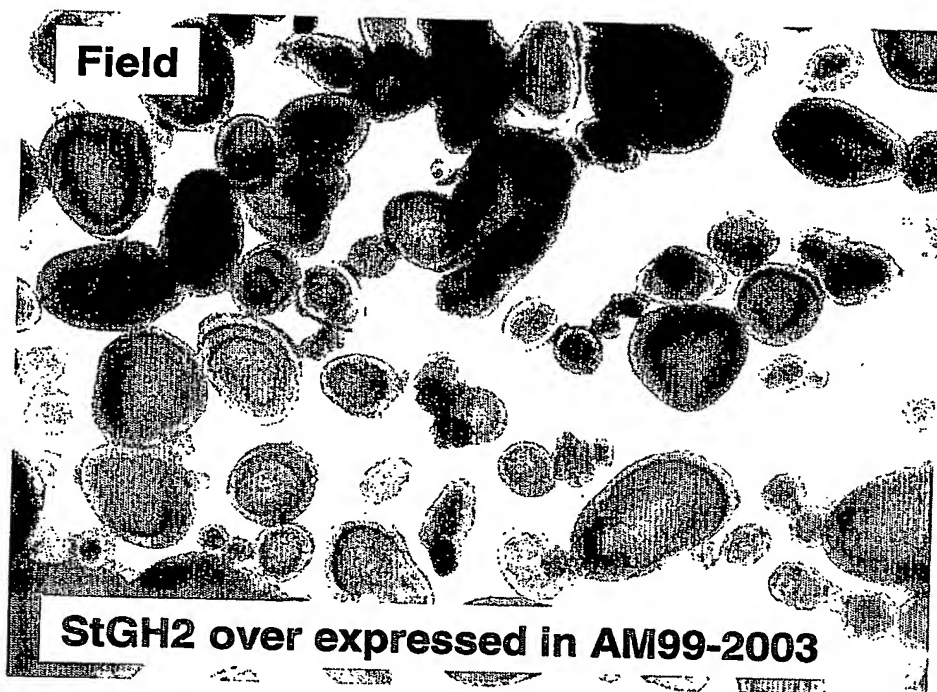


Figure 13

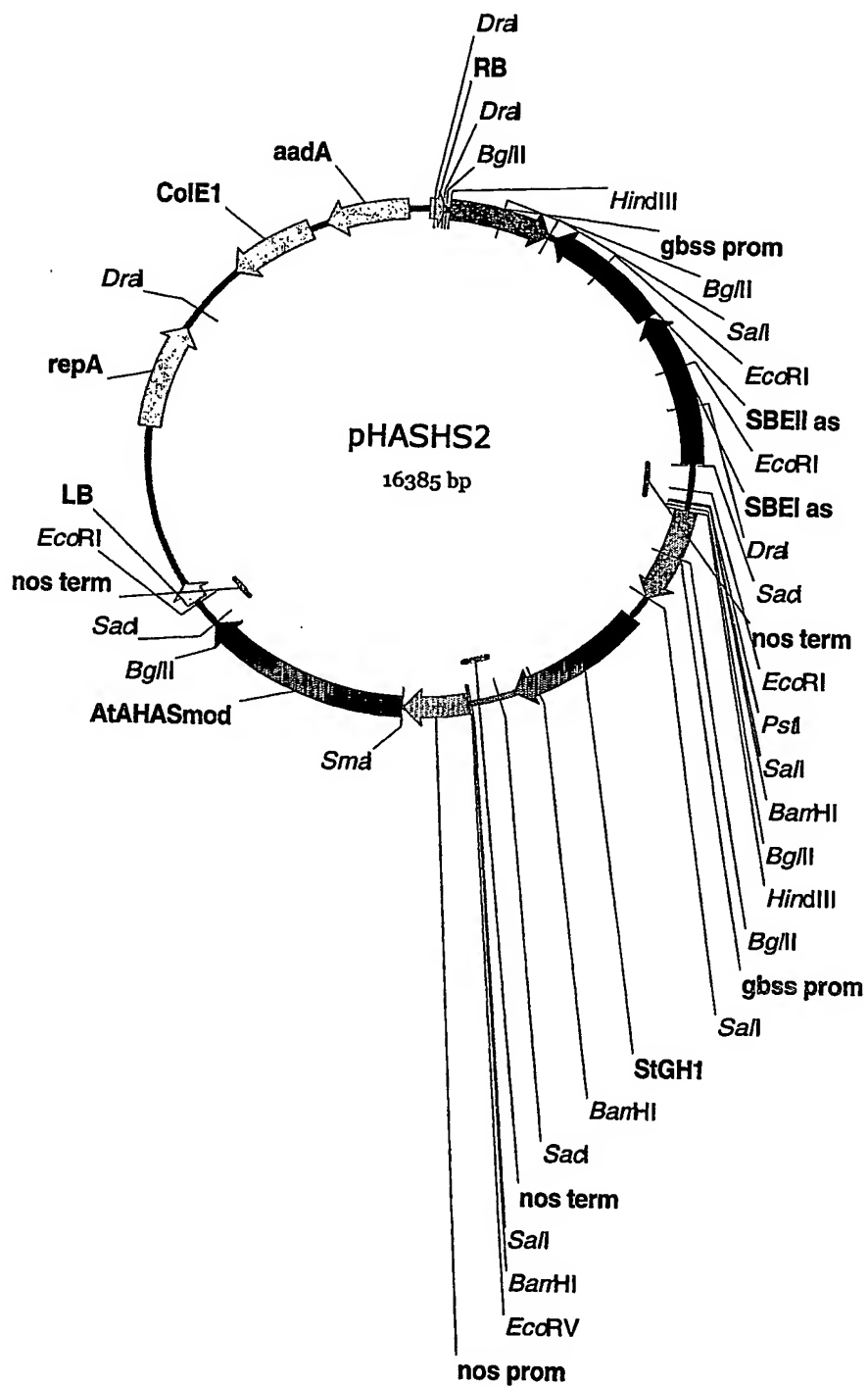


Figure 14

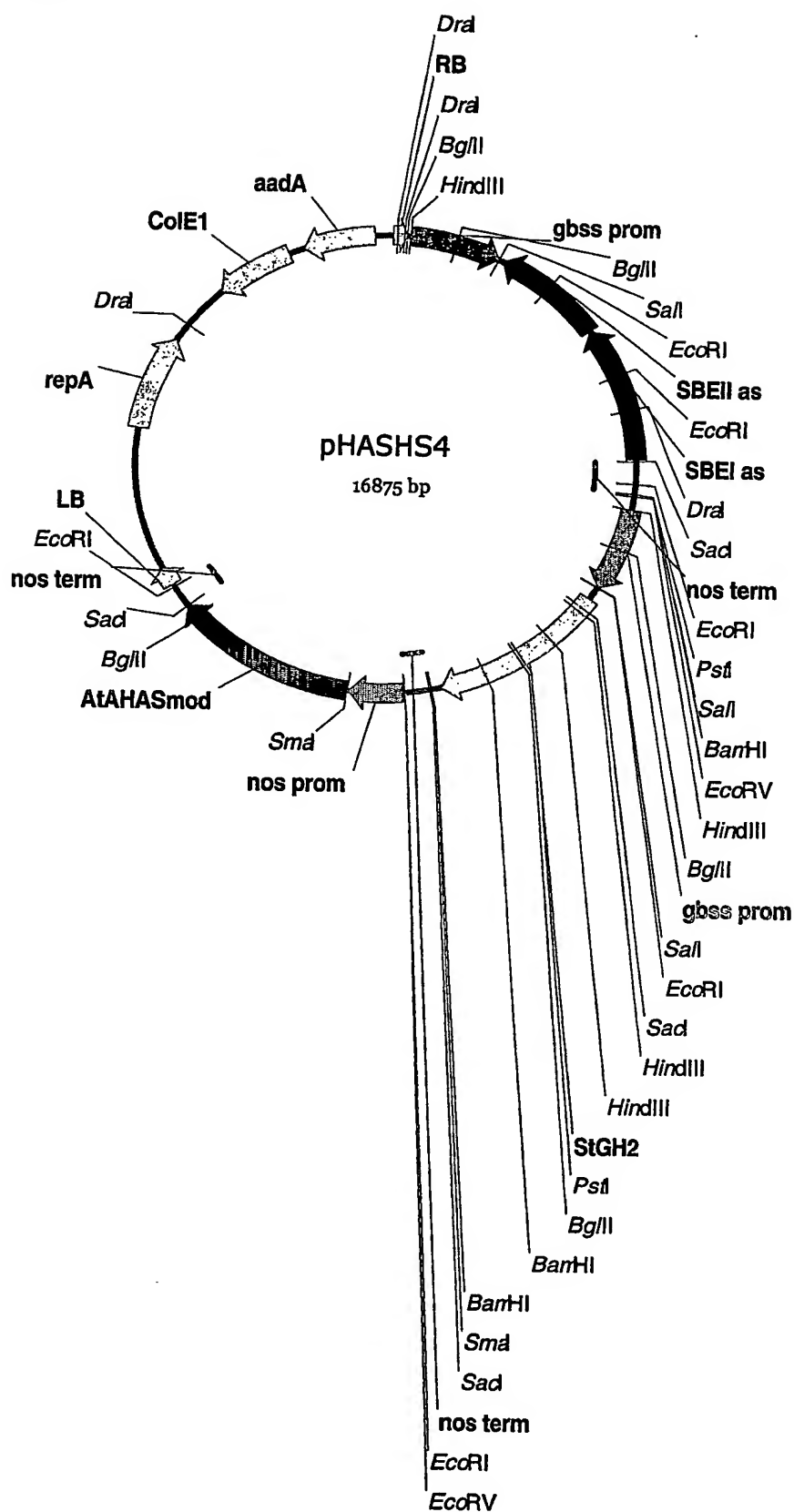


Figure 15

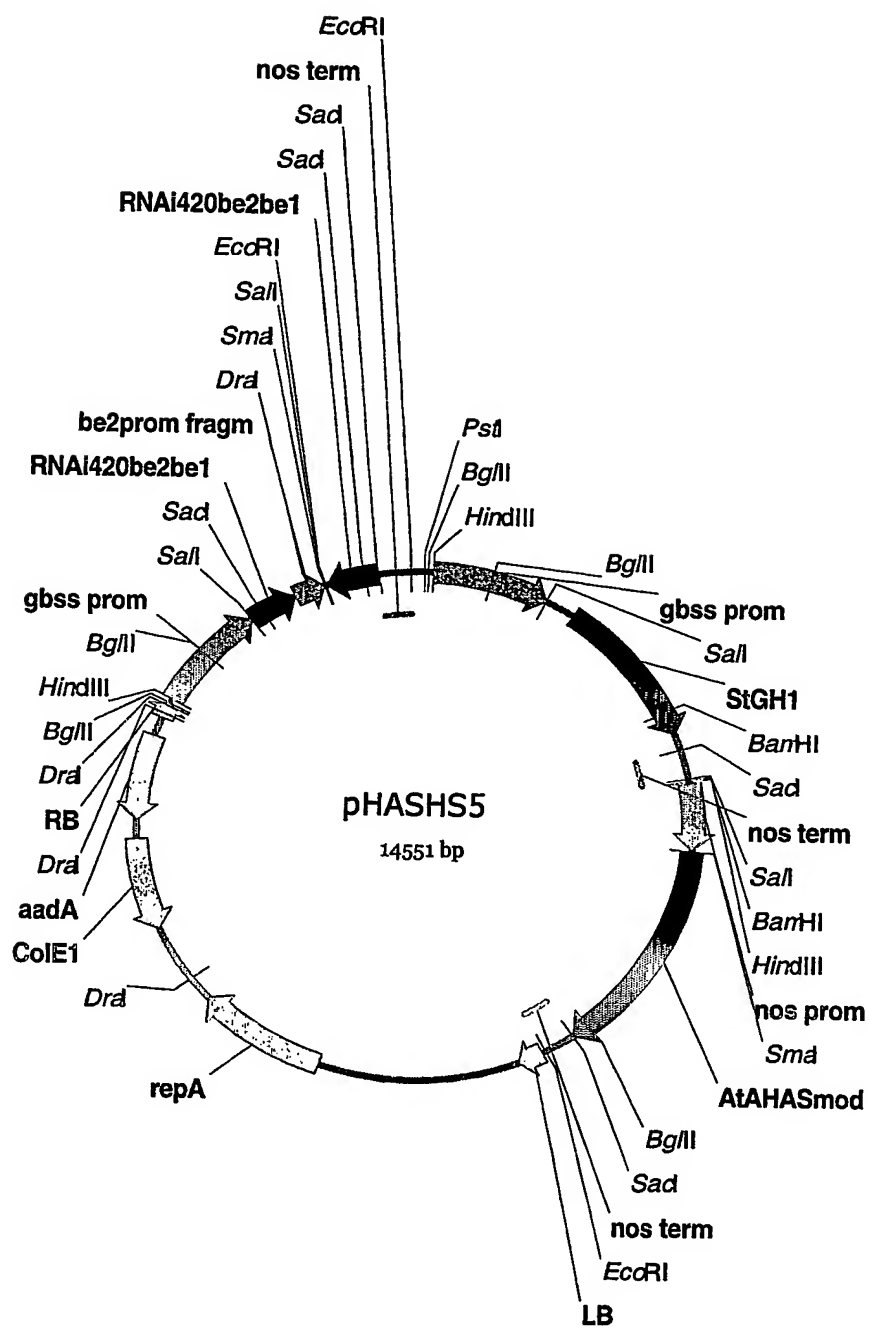
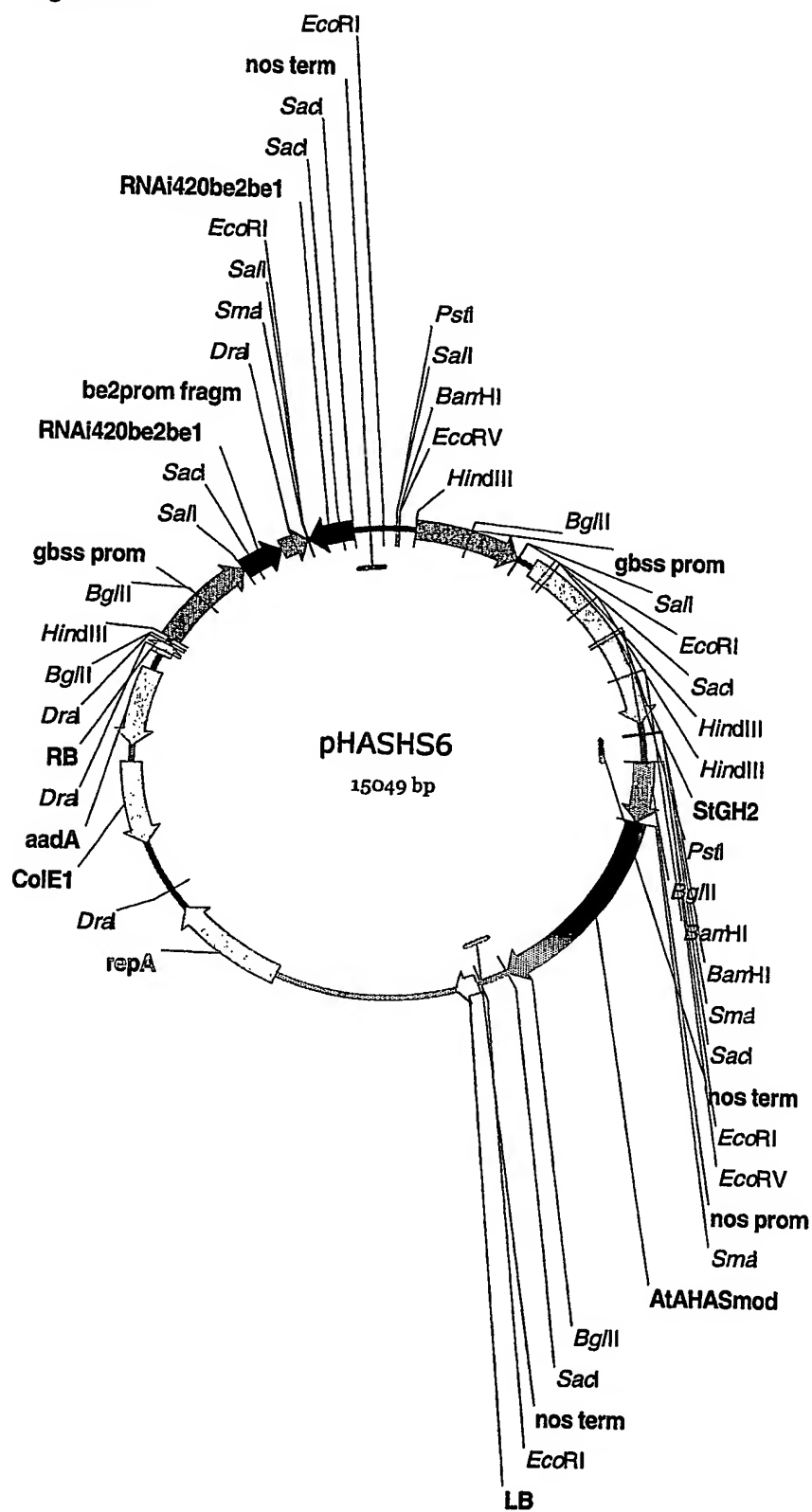


Figure 16



17/23

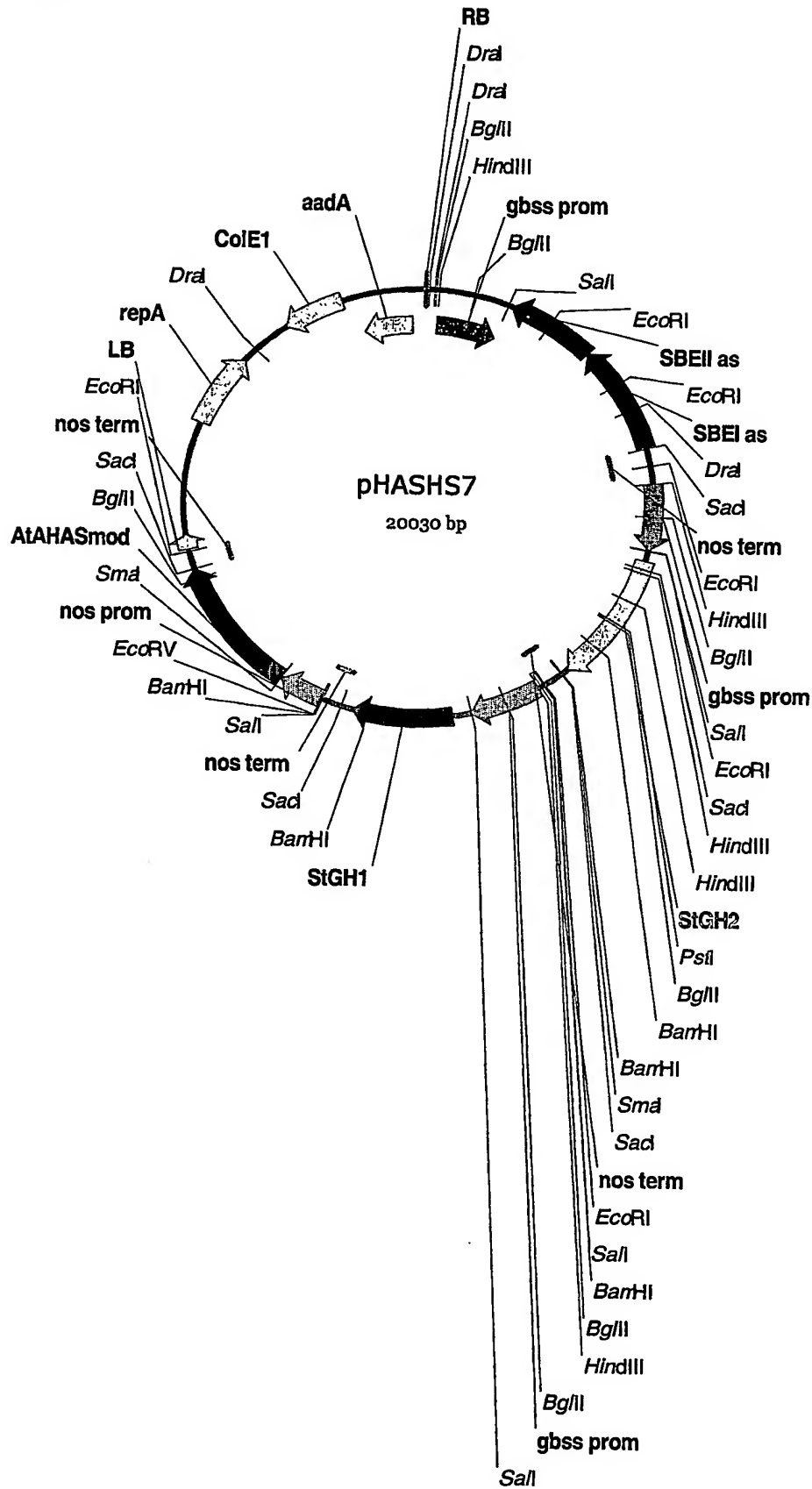


Figure 18

18/23

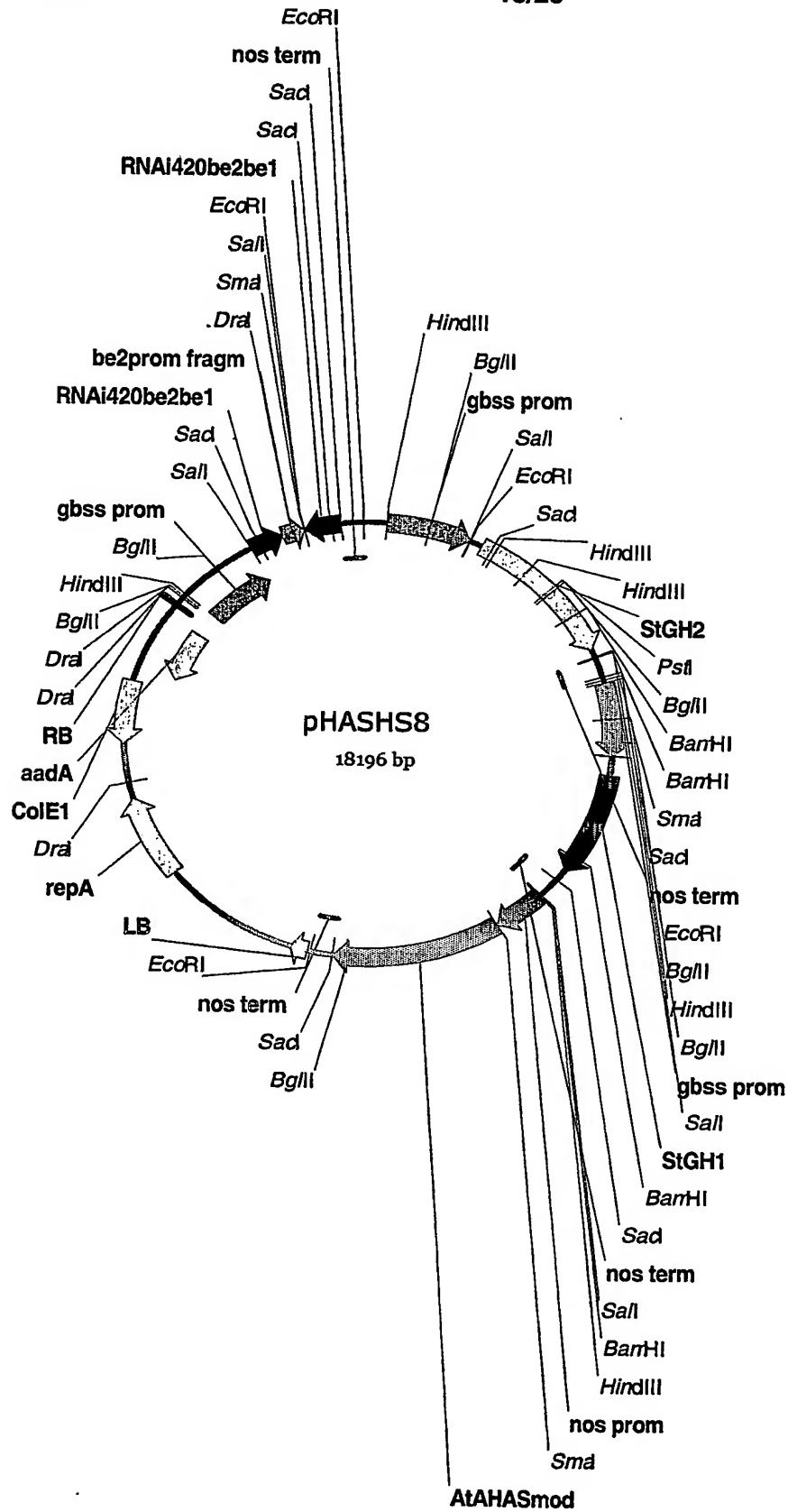


Figure 19

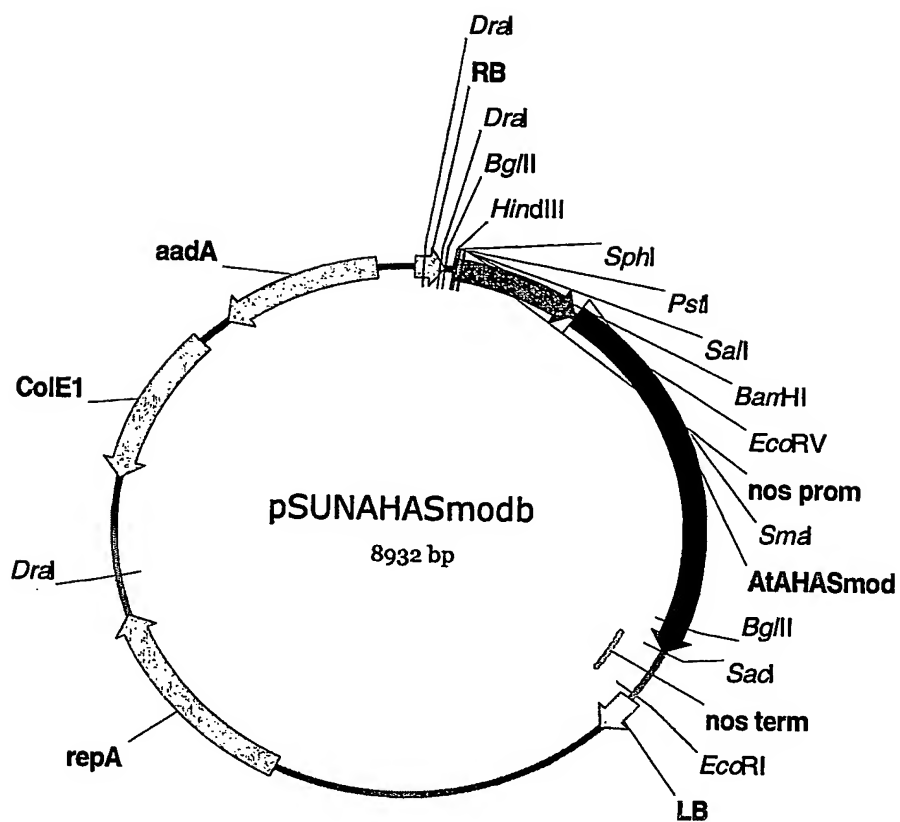


Figure 20

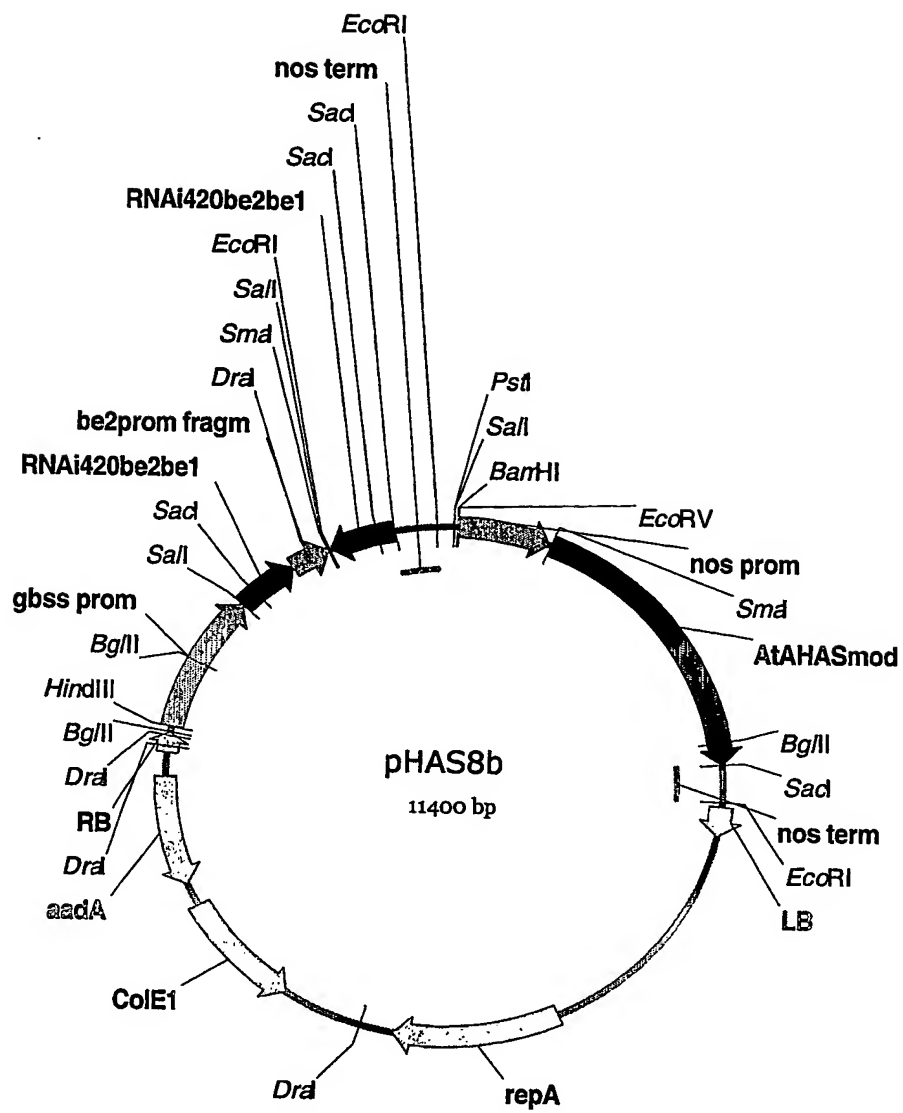


Figure 21

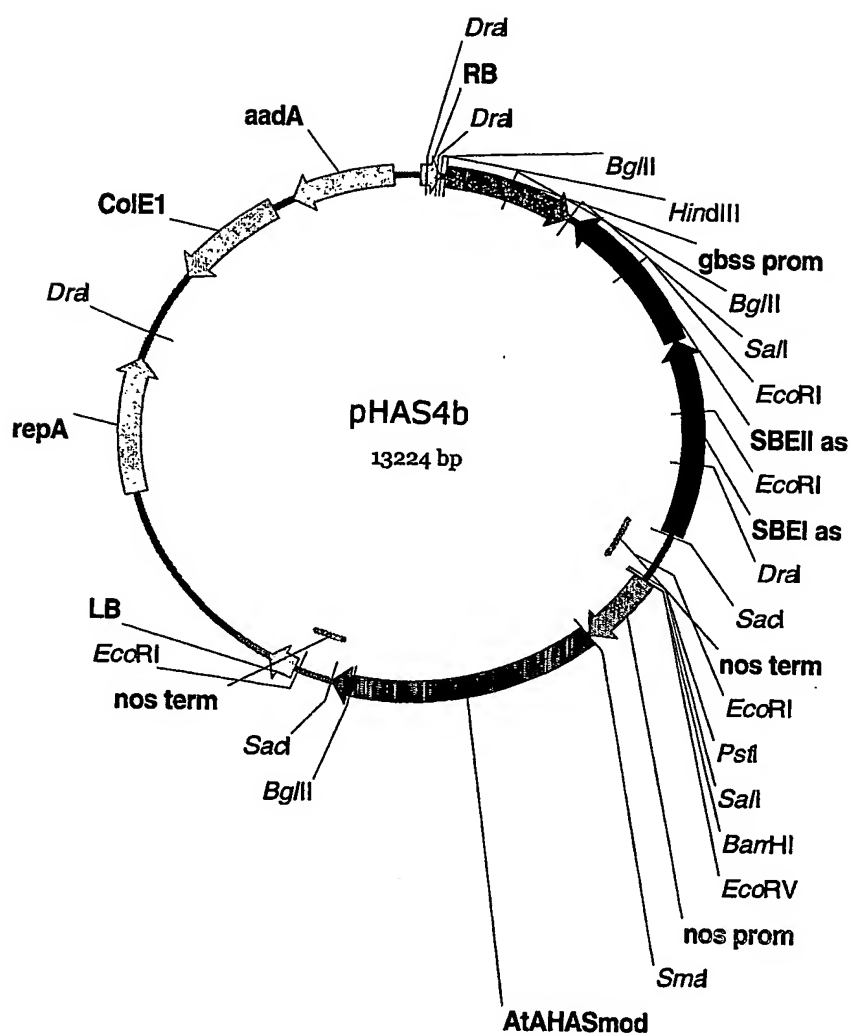


Figure 22

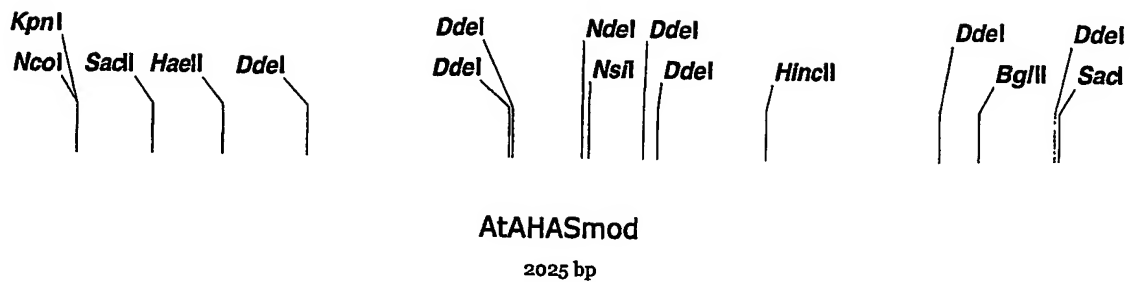


Figure 23

